

AMENDMENTS TO THE ABSTRACT OF THE DISCLOSURE

Please replace the original Abstract with the following amended Abstract.

A network system connects with a number of individual processes P1 to P5 that can mutually send and receive a broadcast message specified with no destination and a message specified with a specific process portion and that can change their states to parent or child processes. For example, When a first process [[P1]] is a parent process and second through fourth processes P2 to P4 are child processes. When, the four processes P1 to P4 constitute a group, in which each of child processes P2 to P4 stores the parent process P1. Parent, and the parent process [[P1]] stores each of child processes P2 to P4 that store the parent process itself [[(P1)]]. When a new process [[P5]] that is in another group is connected to this group, the parent process [[P1]] exchanges a message with the new process [[P5]] for negotiation to determine either whether to be a parent process [and] or to change the other to a child process.